Philosophy 183/283G -- **Beginning Modern Logic**

Lectures: Wednesdays and Fridays, 12:30-1:45 pm, in SOUTH HALL 1431.
Undergraduates enroll in one of the weekly TA-led sections of Philosophy 183.
Grad students enroll in Phil. 283G, and may optionally attend a section.

Instructor: Prof. Nathan Salmon

Office: South Hall 5712

Email: nsalmon@philosophy.ucsb.edu

Office Hours: Wednesdays at 1:50 pm, and by appointment.

Teaching Assistant: Mr. Nathaniel Tabris

Course Description: This course is an introduction to the study of correct reasoning—drawing inferences, distinguishing good arguments from bad ones, making one's way from assumptions to their consequences. Reasoning is a cognitive process or activity employed in mathematics and other disciplines, as well as in everyday decision-making, problem solving, argumentation, and discussion. We shall develop an artificial system of "natural deduction," which closely mirrors, but sharpens and systematizes, the patterns of ordinary reasoning that we engage in every day. We shall be using a pc program.

Text: D. Kalish, R. Montague, and G. Mar, *Logic: Techniques of Formal Reasoning*, **Second Edition.**

PC Software: *Logic 2010*. Download at: http://logic2k.humnet.ucla.edu/download2010.html

Course Requirements:

One **mid-term examination**, tentatively scheduled for **Wednesday, February 9, 12:30-1:45 pm** (full class time), to count for up to one-third of the course grade.

One **final examination, Wednesday, March 16, noon-3:00 pm**, to count for at least two-thirds of the course grade.

Homework assignments will be made on a regular basis. Homework may be submitted online. *Logic 2010* will guide you to doing the exercises correctly. On the exams you will be held responsible for knowing how to do all the assigned homework problems.

First Homework Assignment: Please read Chapter I, Section 1 (pages 1-7) of the text, and do exercises 1-6 (pp. 7-8). (See p. 46 for solutions to the exercises.) On *Logic 2010*, do the even numbered parsing exercises from 1.002 to 1.020. Check *Logic 2010* online for future assignments.

N.B.: NO GRADE OF 'INCOMPLETE' WILL BE GIVEN FOR THIS COURSE WITHOUT A LEGITIMATE MEDICAL EXCUSE, CONFIRMED IN WRITING BY YOUR PHYSICIAN.